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Albert H. Kruse
Commissioner of Agriculture
State of Montana
Helena, Montana

COMMERCIAL FERTILIZER REPORT

Leon H. Johnson
Chemistry Research Department
Montana State College
Bozeman, Montana

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Issued By
The Department of Agriculture, State of Montana, Helena, Montana
and
The Agricultural Experiment Station, Montana State College, Bozeman, Montana

VOLUME III, PAGE 1, DECEMBER, 1955

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Name and Address of Manufacturer with Brand Name	Place of Collection	Registration No.	% Available Nitrogen (N)		% Phosphoric Acid (P_2O_5)				% Available Potash (K_2O)	
					Total		Available			
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
A. S. CHEMICAL PRODUCTS CORP.										
Columbus 9, Ohio										
Thrive Liquid Plant Food	Helena	‡	5.0	6.1		12.3	10.0	12.3	5.0	5.3
AMERICAN CHEMICAL PAINT CO.										
Ambler, Pennsylvania										
Gro-Stuf	Missoula	520	20.0	21.6	20.0	20.1	20.0	20.1	20.0	19.5
AMERICAN CYANAMID COMPANY										
New York 20, New York										
AERO Cyanamid, Special Grade	Kalispell	499	21.0	21.2						
AMERICAN POTASH AND CHEMICAL CORP.										
Trona, California										
Trona Muriate of Potash	Kalispell	‡							60.0	60.0
ANACONDA COPPER MINING CO.										
Anaconda, Montana										
Sulphate of Ammonia	†	527								
Anaconda Complete Fertilizer 10-18-5	Big Timber	528	10.0	10.7	19.0	**15.4**	18.0	**14.6**	5.0	6.0
Anaconda Ammoniated Phosphate 6-30-0	Manhattan	529	6.0	6.2	31.0	30.5	30.0	29.3		
Anaconda Treble Superphosphate	Glendive	530			44.0	44.7	42.0	42.7		
Anaconda Treble Superphosphate	Manhattan	530			44.0	44.7	42.0	44.1		
Anaconda Treble Superphosphate	Three Forks	530			44.0	45.4	42.0	42.9		
Anaconda Plantone	Big Timber	531	6.0	6.7	13.0	12.3	12.0	11.6	4.0	4.7
Anaconda Ammoniated Phosphate 10-20-0	Manhattan	532	10.0	10.6	20.5	24.1	20.0	22.7		
Anaconda Ammoniated Phosphate 10-20-0	Helena	532	10.0	11.2	20.5	20.7	20.0	19.9		
Anaconda Liquid Phosphoric Acid	Missoula	533			52.0	53.2	52.0	53.2		
Anaconda Ammoniated Phosphate 16-8-0	†	535								
Urea	†	536								
ARMOUR FERTILIZER WORKS										
Bartow, Florida										
Armour Pebble Plant Food 45% Superphosphate	Fairview	‡				44.7	45.0	44.2		
ARMOUR FERTILIZER WORKS										
Winona, Minnesota										
Armour VERTAGREEN Plant Food for Professional Use	†	559								
Armour VERTAGREEN Plant Food 5-10-5	Butte	561	5.0	5.0		10.5	10.0	9.8	5.0	5.7
THE BEM FERTILIZER CO.										
Joplin, Missouri										
Bem Brand 0-20-0 Superphosphate	Glasgow	‡				21.4	20.0	20.9		
CALIFORNIA SPRAY-CHEMICAL CORP.										
Richmond, California										
Ortho-Gro Dry Fertilizer	Great Falls	512	7.0	7.5		10.3	9.0	10.1	5.0	5.9
Ortho Lawn Groom	Great Falls	513	7.0	7.1		5.9	5.0	5.8	5.0	7.1
Ortho Leaf Feed	†	514								
Ortho-Gro Liquid Plant Food	Great Falls	515	10.0	9.9		5.4	5.0	5.4	5.0	5.2
H. D. CAMPBELL CO.										
Rochelle, Illinois										
Campbell's Gro-Green	†	566								
Campbell's Gro-Green	†	567								
THE COLORADO FUEL & IRON CORP.										
Denver 2, Colorado										
CF&I DAP (Diammonium Phosphate)	†	548								

Violations in Bold Type—See Montana Fertilizer Law, Sec. 4208.11.
†No Sample Obtained.
‡Not Registered.

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			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
COMMERCIAL SOLVENTS CORP.										
New York 16, New York										
Crystalline Ammonium Nitrate Fertilizer	†	507								
THE CONSOLIDATED MINING & SMELTING CO. OF CANADA										
Vancouver 1, B.C., Canada										
Elephant Brand Ammonium Phosphate Sulphate	Manhattan	553	16.0	15.8		21.4	20.0	21.2		
Elephant Brand Ammonium Phosphate	Sidney	554	11.0	11.0		47.7	48.0	47.5		
Elephant Brand Ammonium Nitrate "Nitraprills"	Glendive	555	33.5	33.5						
Elephant Brand Ammonium Nitrate "Nitraprills"	Helena	555	33.5	33.5						
Elephant Brand Ammonium Nitrate "Nitraprills"	Manhattan	555	33.5	33.5						
Elephant Brand Anhydrous Ammonia	†	556								
Elephant Brand Sulphate of Ammonia	Manhattan	557	21.0	20.9						
CURRY CHEMICAL CO., INC.										
Scottsbluff, Nebraska										
Nitrogen 82	†	508								
E. I. DU PONT DE NEMOURS & CO.										
Wilmington, Delaware										
Du Pont Soluble Plant Food 19-22-16	†	509								
Du Pont Nu Green Fertilizer Compound	†	510								
Du Pont Uramite Fertilizer Compound	†	565								
FERRO CORPORATION										
Cleveland 5, Ohio										
Agricultural FTE	†	544		CLAIM: TRACE ELEMENTS						
FTE (Fritted Trace Elements)	†	545		CLAIM: TRACE ELEMENTS						
THE FERTI-LUX CO.										
Kansas City 6, Missouri										
Ferti-Lux	Stevensville	‡	23.0	**0.8**		0.1	21.0	**0.1**	17.0	**1.2**
FERTIL-POINT COMPANY										
Seattle 9, Washington										
Fertil-Points	Great Falls	519	11.0	12.2		21.7	20.0	21.7	12.0	19.3
THE FOLSOM CO.										
Missoula, Montana										
32% Phosphoric Acid	Missoula	‡				34.3	32.0	34.3		
22% Nitrogen Fertilizer	Missoula	‡	22.0	21.5						
Liquid 15-10-5	Missoula	‡	15.0	15.3		10.2	10.0	10.2	5.0	5.4
FORD MOTOR COMPANY										
Dearborn, Michigan										
Ford Ammonium Sulphate	†	500								
GARDEN RESEARCH LABORATORIES										
New York, New York										
RX-15	†	504								
THE GRANT CO.										
Chicago, Illinois										
Robot Gardener 20-20-13 Fertilizer	†	563								
HELLER GREENHOUSE LABORATORIES										
Colorado Springs, Colorado										
Heller-Gro	†	558								

Violations in Bold Type—See Montana Fertilizer Law, Sec. 4208.11.
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			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
HYDROPONIC CHEMICAL CO., INC. Copley, Ohio										
Hyponex	Butte	502	7.0	7.2	6.0	6.8	6.0	6.8	19.0	19.2
IDEAL CEMENT CO. Butte, Montana										
Hanover Agricultural Gypsum	Libby	538	CLAIM: Hydrous calcium sulfate ($CaSO_4 \cdot 2H_2O$) 80% and anhydrous calcium sulfate ($CaSO_4$) 6%. FOUND: Sulfur equivalent to 95% hydrous calcium sulfate ($CaSO_4 \cdot 2H_2O$).							
LION OIL CO., CHEMICAL DIV. El Dorado, Arkansas										
Lion Sulphate of Ammonia	Manhattan	‡	21.0	21.1						
LORMIUM CO. OF AMERICA Harrison, New Jersey										
Gro Plus 16-16-16	Missoula	542	16.0	**14.5**		18.1	16.0	18.1	16.0	18.3
Loamium 5-10-5	Missoula	543	5.0	6.0		12.3	10.0	12.3	5.0	5.4
MILLER PRODUCTS COMPANY Portland, Oregon										
Miller's Garden Booster Powder	Missoula	‡	5.0	5.9		12.5	10.0	12.0	14.0	15.6
MONSANTO CHEMICAL CO. St. Louis 4, Missouri										
Folium	Butte	537	20.0	19.8	20.0	20.3	20.0	20.3	20.0	22.5
"NA-CHURS" PLANT FOOD COMPANY Marion, Ohio										
"Na-Churs" Liquid Fertilizer 7-14-7	†	517								
"Na-Churs" Liquid Fertilizer 10-20-10	†	518								
NEZPERCE ROLLER MILLS Lewiston, Idaho										
Double Eagle S M-20	†	564	CLAIM: TRACE ELEMENTS							
NORTHRUP, KING & CO. Minneapolis, Minnesota										
Golf Brand (a specialty lawn and garden fertilizer)	Missoula	505	10.0	**7.9**	6.0	7.7	6.0	7.3	4.0	5.9
Golf Brand (a specialty lawn and garden fertilizer)	Helena	505	10.0	10.2	6.0	7.4	6.0	7.2	4.0	5.0
PHILLIPS CHEMICAL CO. Bartlesville, Oklahoma										
Phillips 66 Prilled Ammonium Nitrate (2 grades)	†	523 & 524								
Phillips 66 Anhydrous Ammonia	†	525								
Phillips 66 Ammonium Sulfate	†	526								
PLANTABBS CORPORATION Baltimore 1, Maryland										
Fulton's Plantabbs	Helena	549	11.0	11.1	15.0	18.3	15.0	18.3	20.0	26.4
RA-PID-GRO CORP. Dansville, New York										
Ra-Pid-Gro	†	521								
ROIGINA PRODUCTS Lincoln, Nebraska										
Roigina African Violet Plant Food	Helena	‡	11.0	11.7		9.5	4.0	9.5	8.0	12.2
Roigina Ivy-Philodendron Plant Food	Helena	‡	8.0	9.9		14.5	10.0	14.5	8.0	9.6
ROSE CITY NURSERY Tyler, Texas										
Pride of the Garden Vita Pure Rose Food	†	562								

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			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
O. M. SCOTT & SONS CO. Marysville, Ohio										
Scotts Weed and Feed	Butte	546	7.0	6.8	11.0	11.7	11.0	11.4	5.0	5.0
Scotts Turf Builder	Butte	547	9.0	9.9	7.0	7.6	7.0	7.4	4.0	4.7
Scotts Organic Fertilizer	†	560								
SHERRIT GORDON MINES, LTD. Ft. Saskatchewan, Alta., Canada										
Sherrit Brand (Ammonium Sulphate)	†	552								
J. R. SIMPLOT CO. Pocatello, Idaho										
Simplot Triple Superphosphate	Hamilton	498				45.8	42.0	42.7		
SPENCER CHEMICAL COMPANY Kansas City, Missouri										
"Mr. N" (Ammonium Nitrate Fertilizer)	†	501								
STIMUPLANT LABORATORIES CO. Columbus 16, Ohio										
Stim-U-Plant Plant Food Tablets	Polson	522	11.0	11.7		21.5	12.0	21.5	15.0	25.2
THE SUMMERS FERTILIZER CO. Grand Forks, North Dakota										
Summers' Best-on-Earth Fertilizer 0-45-0	Plentywood	‡				47.0	45.0	46.2		
SWIFT & CO., PLANT FOOD DIV. North Portland, Oregon										
Golden Vigoro	Whitehall	539	6.0	6.3	10.0	11.7	10.0	11.7	4.0	4.7
Swifts Vigoro Complete Plant Feed	Dillon	541	6.0	5.9	10.0	11.5	10.0	11.5	4.0	4.5
Swifts Water Soluble Instant Vigoro	Butte	540	19.0	19.3	28.0	27.4	28.0	27.4	14.0	16.8
TIDEWATER LABORATORIES, INC. Bellingham, Washington										
Hi-Tide Liquid Fortified Fish Fertilizer	Missoula	‡	10.0	10.0		5.5	5.0	5.5	5.0	5.0
UNITED STATES GYPSUM CO. Chicago 6, Illinois										
Ben Franklin Agricultural Gypsum	†	550								
UNITED STATES STEEL CORPORATION San Francisco, California										
U.S.S. Ammonium Sulphate	†	503								
WASATCH CHEMICAL CO. Salt Lake City, Utah										
Wasco 10-20-0 Fertilizer	Dillon	‡	10.0	11.7	21.0	23.8	20.0	22.1		
Wasco Morgro	Dillon	‡	6.0	6.5	11.0	12.0	10.0	11.8	4.0	5.5
WESTERN FERTILIZERS Harlowton, Montana										
Lamus	Great Falls	‡	1.6	1.7		0.3	0.5	0.3	0.7	0.7
WESTERN MINES, INC. Denver, Colorado										
Magnite	†	551								
WESTERN PHOSPHATES, INC. Garfield, Utah										
Anchor Brand Treble Superphosphate	Sidney	506				45.8	46.0	44.6		
Anchor Brand Treble Superphosphate	Whitehall	506				50.4	46.0	48.5		
Anchor Brand Ammonium Phosphate 11-50-0	Great Falls	‡	11.0	10.7		51.0	50.0	50.7		
WYOMING GULF SULPHUR CORP. Cody, Wyoming										
Wyoming Natural Soilaid	Missoula	511	CLAIM: 25% total sulphur free and combined FOUND: 24% total sulphur free and combined							

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